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Conserving aq. dispersions of liposome microcapsules - by freeze-drying  
to form paste or solid which can be rehydrated prior to use

Patent Assignee: L'OREAL SA (OREA )

Inventor: HANDJANI R M; VANLERBERG G

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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
BE 873865	A	19790801				197932 B
GB 2013609	A	19790815				197933
NL 7900822	A	19790806				197934
DE 2904047	A	19790913				197938
FR 2416008	A	19791005				197946
US 4247411	A	19810127				198107
GB 2013609	B	19821208				198249
DE 2954558	A	19870619	DE 279954558	A	19790202	198725
IT 1119264	B	19860310				198728
DE 2904047	C	19900419				199016

Priority Applications (No Type Date): FR 782927 A 19780202

Abstract (Basic): BE 873865 A

Conservation of aq. dispersions of liposomes comprising organised molecular layers between which is encapsulated an aq. phase contg.  $\geq 1$  active substances, the layers comprising  $\geq 1$  lipids of formula X-Y (where Y is lipophilic gp. and X is (non)ionic hydrophilic gp.) the spherules having a dia. of 100 to 50,000 angstroms, comprises (a) preparing an aq. dispersions; and (b) freeze-drying to give a paste or solid; shortly before use the paste or solid is rehydrated to regenerate the original compsn.

The prepns. may be stored for long periods without changing the permeability of the liposomes. Useful for compns. containing skin and scalp-treating agents, water-soluble sunscreen agents, deodorants, astringents, perfumes, water-soluble dyes, decolourizing oxidizers, vitamins, hormones, vaccines, bactericides etc.

Title Terms: CONSERVE; AQUEOUS; DISPERSE; LIPOSOME; MICROCAPSULE; FREEZE;  
DRY; FORM; PASTE; SOLID; CAN; REHYDRATED; PRIOR

Index Terms/Additional Words: SKIN; SCALP; TREAT; SUNSCREEN; DEODORISE;  
ASTRINGENT; PERFUME; HORMONE; BACTERIA; VACCINE

Derwent Class: A96; B04; D21; D22; P33; Q76

International Patent Class (Additional): A01N-025/28; A61J-000/00;

A61K-007/00; A61K-009/00; A61K-047/00; B01J-013/00; F26B-005/06

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